

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty

For receiving Office use only
PCT/EP 99/07303
International Application

International Filing Date
05 OCT 1999 (05.10.1999)

EUROPEAN PATENT OFFICE
PCT INTERNATIONAL APPLICATION
Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum) PG3600

Box No. I TITLE OF INVENTION

Novel Ligand

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Glaxo Group Limited

Glaxo Wellcome House
Berkeley Avenue
Greenford, Middlesex, UB6 0NN
GB

This person is also inventor.

Telephone No. 0171 493 4060

Facsimile No. 0181 966 8838

Teleprinter No. 25456

State (i.e. country) of nationality:

GB

State (i.e. country) of residence:

GB

This person is applicant all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTORS

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

FARROW, Stuart Neville
Glaxo Wellcome plc
Gunnels Wood Road
Stevenage, Hertfordshire
SG1 2NY
GB

This person is:

applicant only

applicant and inventor

inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

GB

State (i.e. country) of residence:

GB

This person is applicant all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: agent common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country).

REES, Marion L
Glaxo Wellcome plc
Glaxo Wellcome House, Berkeley Avenue
Greenford, Middlesex
UB6 0NN
GB

Telephone No.:

0171-493-4060

Facsimile No.:

0181-966-8838

Teleprinter No.:

25456

Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Sheet No2...

Continuation of Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTORS

If none of the following sub-boxes is used, this sheet is not to be included in the request.

<p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p> <p>KAPTEIN, Allard Glaxo Wellcome plc Gunnels Wood Road Stevenage, Hertfordshire SG1 2NY GB</p>		<p>This person is:</p> <p><input type="checkbox"/> applicant only <input checked="" type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
<p>State (i.e. country) of nationality: NL</p>		<p>State (i.e. country) of residence: GB</p>
<p>This person is applicant <input type="checkbox"/> all designated <input type="checkbox"/> States for the purposes of: <input type="checkbox"/> all designated States except <input type="checkbox"/> the United States of America <input checked="" type="checkbox"/> the United States of America only</p>		<p><input type="checkbox"/> the States indicated in the Supplemental Box</p>
<p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p> <p>KITSON, Jeremy David Alisdair Glaxo Wellcome plc Gunnels Wood Road Stevenage, Hertfordshire SG1 2NY GB</p>		<p>This person is:</p> <p><input type="checkbox"/> applicant only <input checked="" type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
<p>State (i.e. country) of nationality: GB</p>		<p>State (i.e. country) of residence: GB</p>
<p>This person is applicant <input type="checkbox"/> all designated <input type="checkbox"/> States for the purposes of: <input type="checkbox"/> all designated States except <input type="checkbox"/> the United States of America <input checked="" type="checkbox"/> the United States of America only</p>		<p><input type="checkbox"/> the States indicated in the Supplemental Box</p>
<p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p> <p>WINDER, Alison Janet Glaxo Wellcome plc Gunnels Wood Road Stevenage, Hertfordshire SG1 2NY GB</p>		<p>This person is:</p> <p><input type="checkbox"/> applicant only <input checked="" type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
<p>State (i.e. country) of nationality: GB</p>		<p>State (i.e. country) of residence: GB</p>
<p>This person is applicant <input type="checkbox"/> all designated <input type="checkbox"/> States for the purposes of: <input type="checkbox"/> all designated States except <input type="checkbox"/> the United States of America <input checked="" type="checkbox"/> the United States of America only</p>		<p><input type="checkbox"/> the States indicated in the Supplemental Box</p>
<p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p>		<p>This person is:</p> <p><input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
<p>State (i.e. country) of nationality:</p>		<p>State (i.e. country) of residence:</p>
<p>This person is applicant <input type="checkbox"/> all designated <input type="checkbox"/> States for the purposes of: <input type="checkbox"/> all designated States except <input type="checkbox"/> the United States of America <input type="checkbox"/> the United States of America only</p>		<p><input type="checkbox"/> the States indicated in the Supplemental Box</p>

 Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (*mark the applicable check-boxes; at least one must be marked*):

Regional Patent

AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT

EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT

EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT

OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (*if other kind of protection or treatment desired, specify on dotted line*).....

National Patent (if other kind of protection or treatment desired, specify on dotted line):

AE United Arab Emirates

AL Albania.....

AM Armenia.....

AT Austria.....

AU Australia.....

AZ Azerbaijan

BA Bosnia and Herzegovina

BB Barbados

BG Bulgaria.....

BR Brazil.....

BY Belarus.....

CA Canada

CH and LI Switzerland and Liechtenstein

CN China.....

CU Cuba.....

CZ Czech Republic.....

DE Germany.....

DK Denmark.....

EE Estonia.....

ES Spain.....

FI Finland.....

GB United Kingdom

GD Grenada

GE Georgia.....

GH Ghana.....

GM Gambia

HR Croatia

HU Hungary.....

ID Indonesia

IL Israel.....

IN India.....

IS Iceland

JP Japan.....

KE Kenya.....

KG Kyrgyzstan.....

KP Democratic People's Republic of Korea.....

KR Republic of Korea.....

KZ Kazakstan.....

LC Saint Lucia

LK Sri Lanka

LR Liberia

LS Lesotho.....

LT Lithuania

LU Luxembourg

LV Latvia

MD Republic of Moldova.....

MG Madagascar.....

MK The former Yugoslav Republic of Macedonia

MN Mongolia

MW Malawi.....

MX Mexico.....

NO Norway

NZ New Zealand.....

PL Poland.....

PT Portugal.....

RO Romania

RU Russian Federation.....

SD Sudan

SE Sweden

SG Singapore

SI Slovenia.....

SK Slovakia.....

SL Sierra Leone

TJ Tajikistan.....

TM Turkmenistan.....

TR Turkey.....

TT Trinidad and Tobago.....

UA Ukraine.....

UG Uganda.....

US United States of America.....

UZ Uzbekistan.....

VN Viet Nam.....

YU Yugoslavia.....

ZA South Africa

ZW Zimbabwe

Check-boxes reserved for designating States which have become party to the PCT after issuance of this sheet.

CR Costa Rica.....

DM Dominica.....

TZ Tanzania.....

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (*Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.*)

Sheet No.: 4...

Box No. VI PRIORITY CLAIM		<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box Where earlier application is		
Filing Date of Earlier Application (day/month/year)	Number of earlier application	national application: country	regional application: * regional Office	international application: receiving Office
item (1) 23 December 1998 (23.12.98)	9828628.9	GB		
item (2)				
item (3)				

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (*only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office*) identified above as item(s):
** Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rue 4.10(b)(ii)). See Supplemental Box.*

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA)
If two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used:
 ISA/

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):
 Date (day/month/year) Number Country (or regional office)

Box. VIII CHECK LIST; LANGUAGE OF FILING

This international application contains the following number of sheets:

request 4

description (excluding sequence listing part) 23

claims 3

abstract 1

drawings 15

sequence listing part of description

46

This international application is accompanied by the item(s) marked below:

1. fee calculation sheet
2. separate signed power of attorney (x 2)
3. copy of general power of attorney; reference number, if any:
4. statement explaining lack of signature
5. priority document(s) identified in Box No. VI as item(s): (i)
6. translation of international application into (language):
7. separate indications concerning deposited microorganism or other biological material
8. nucleotide and/or amino acid sequence listing in computer readable form
9. other (specify):

Figure of the drawings which should accompany the abstract:

Language of filing of the international application:

English

Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

Marion L Rees
Agent for the Applicants

1. Date of actual receipt of the purported international application

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(05.10.1999)

05 OCT 1999

2. Drawings

received:

not received:

3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:

4. Date of timely receipt of the required corrections under PCT Article 11(2):

5. International Searching Authority specified by the applicant: ISA/

6. Transmittal of search copy delayed until search fee is paid

Date of receipt of the record copy by the International Bureau

For International Bureau use only